MODIS Science Data Support Team (SDST) Meeting Minutes 8/27/93

ATTENDEES: Phil Ardanuy, John Bauernschub, Lloyd Carpenter, Ruiming Chen, John Crocker, Larry Fishtahler, Al Fleig, Tom Goff, Ed Masuoka, John Moses, J.J. Pan, Shahin Samadi, Lalit Wanchoo

MODIS LEVEL 2 PROCESSING SHELL DESIGN AND DEVELOPMENT: J. J. Pan presented an outline of the concept for the MODIS Level 2 Processing Shell Requirements. Lloyd Carpenter asked what provision there was for skipping execution of a given PGE in the shell. John Moses asked what provision there was for terminating execution of a PGE due to input data faults. Al Fleig asked how iterative execution of PGEs was handled. Lloyd Carpenter said that the shell should generate a log of its processing in order to facilitate debugging.

MODIS LAND PROTOTYPE: Ruiming Chen presented her results from running Chris Justice's fire algorithm on an AVHRR LAC data set from North America. The results produced more fire alarms than expected. Al Fleig suggested testing the fire algorithm as its author does using his data. Ed asked Ruiming to: talk with Ginny Kalb about software used to make the calibrated data on which the fire algorithm was run and to run the fire algorithm on an Africa data set since the alogoritm was originally developed for Africa. She also presented her results on MODIS Ancillary Data Tables. Al Fleig asked her to refine the QA columns of the table.

MODIS RECOMMENDATIONS FOR METADATA CRITERIA FOR AUXILIARY DATA PRODUCTS: Tom Goff presented a paper on the concept for Metadata criteria for Auxiliary Data.

PROCESSING THRUPUT AND STORAGE REQUIREMENTS: Ed Masuoka presented his spreadsheet depicting processing thruput and storage requirements for MODIS and how these interact with the architecture of the PGS. Future work in this area will involve: understanding how ancillary data requirements affect the processing schedules for MODIS in the PGS and interacting with the ECS contractor to understand the processing models for the version 1 PGS.

OTHER PROCESSING REQUIREMENTS: Phil Ardanuy discussed a hypothetical example of critical metadata.

Al Fleig asked RDC to handle the following actions:

1) the OPs concept should state the ancillary data content requirements for data products.
2) asked RDC to come up with RIDs on Hughes SRR document. 3) for a strawman definition of what we require with algorithm deliveries from the Science Team. Consider the ASTER list. 4) pointed out that we need to understand JPL's SPICE Navigation Kernel in order to decide if it is applicable for land processing.

ACTION ITEMS

No. Due Date Item

1. 08/13/93 [Tom Goff]. Determine MODIS requirements for metadata on ancillary products. These include Version Number, changes in generating software, etc.
STATUS: Closed. (Assigned 07/30/93)

2. 08/13/93 [Al Fleig] Speak to Steve Unger on simulation data. Develop an approach for a plan for simulated test data.
STATUS: Open. (Assigned 07/23/93)

3. 09/03/93 [Paul Hubanks & Carl Solomon]. Evaluate the SeaWiFS scheduling algorithm and code to see if it can be applied to MODIS prototyping.
STATUS: Open. (Assigned 06/25/93)